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 July 2008 issue Volume 6 Issue 4
 Publisher: ACM
Full text available: Digital Edition, Pdf (6.13 MB) Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 78, Downloads (12 Months): 78, Citation Count: 0

Flash is growing from mere curiosity to a new tier in the storage hierarchy.

2 [Exploiting perception in high-fidelity virtual environments](#)

Additional presentations from the 24th course are available on the citation page

Mashhuda Glencross, Alan G. Chalmers, Ming C. Lin, Miguel A. Otaduy, Diego Gutierrez
 July 2006 SI GGRAPH '06: ACM SIGGRAPH 2006 Courses
 Publisher: ACM
Full text available: Mov (68:6 MIN), Pdf (5.07 MB) Additional Information: [full citation](#), [appendices and supplemental references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 199, Downloads (12 Months): 1547, Citation Count: 1

The objective of this course is to provide an introduction to the issues that must be considered in building high-fidelity 3D engaging shared virtual environments. The principles of human percept important development of algorithms and techniques ...

Keyw ords: collaborative environments, haptics, high-fidelity rendering, human-computer interaction, multi-user, networked applications, perception, virtual reality

3 [Communications of the ACM: Volume 51 Issue 1](#)
 January 2008 issue Volume 51 Issue 1
 Publisher: ACM
Full text available: Digital Edition, Pdf (5.97 MB) Additional Information: [full citation](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 533, Downloads (12 Months): 3921, Citation Count: 0

4 [A survey on peer-to-peer key management for mobile ad hoc networks](#)
 Johann Van Der Merwe, Dawoud Dawoud, Stephen McDonald
 April 2007 ACM Computing Surveys (CSUR) Volume 39 Issue 1
 Publisher: ACM
Full text available: Pdf (872.71 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 137, Downloads (12 Months): 1705, Citation Count: 1

The article reviews the most popular peer-to-peer key management protocols for mobile ad hoc

(MANETs). The protocols are subdivided into groups based on their design strategy or main character. The article discusses and provides comments ...

Keywords: Mobile ad hoc networks, pairwise key management, peer-to-peer key management

5 [Communications of the ACM: Volume 51 Issue 5](#)



May 2008 issue Volume 51 Issue 5

Publisher: ACM

Full text available: [Digital Edition](#), [Pdf \(7.28 MB\)](#) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 493, Downloads (12 Months): 1030, Citation Count: 0

6 [interactions: Volume 15 Issue 1](#)



January 2008 issue Volume 15 Issue 1

Publisher: ACM

Full text available: [Digital Edition](#), [Pdf \(9.79 MB\)](#) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 321, Downloads (12 Months): 698, Citation Count: 0

7 [GPGPU: general purpose computation on graphics hardware](#)



David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ian Buck, Cliff Woolley, Aa August 2004 SIGGRAPH '04: ACM SIGGRAPH 2004 Course Notes

Publisher: ACM

Full text available: [Pdf \(63.03 MB\)](#) Additional Information: [full citation](#), [abstract](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 171, Downloads (12 Months): 1419, Citation Count: 3

The graphics processor (GPU) on today's commodity video cards has evolved into an extremely and flexible processor. The latest graphics architectures provide tremendous memory bandwidth computational horsepower, with fully programmable vertex ...

8 [Graphical query interfaces for semistructured data: the QURSED system](#)



Michalis Petropoulos, Yannis Papakonstantinou, Vasilis Vassalos

May 2005 ACM Transactions on Internet Technology (TOIT), Volume 5 Issue 2

Publisher: ACM

Full text available: [Pdf \(6.88 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 84, Citation Count: 1

We describe the QURSED system for the declarative specification and automatic generation of W query forms and reports (*QFRs*) for semistructured XML data. In QURSED, a *QFR* is formally described by its query set specification (*QSS*) ...

9 [Communications of the ACM: Volume 51 Issue 9](#)



September 2008 issue Volume 51 Issue 9

Publisher: ACM

Full text available: [Digital Edition](#), [Pdf \(8.68 MB\)](#) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 13658, Downloads (12 Months): 13658, Citation Count: 0

10 [Charles W. Bachman interview: September 25-26, 2004; Tucson, Arizona](#)



Thomas Haigh

January 2006 ACM Oral History interviews

Publisher: ACM

Full text available: Pdf (974.87 KB)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 81, Downloads (12 Months): 507, Citation Count: 0

Charles W. Bachman reviews his career. Born during 1924 in Kansas, Bachman attended high school in East Lansing, Michigan before joining the Army Anti Aircraft Artillery Corp, with which he spent 1 year in the Southwest Pacific Theater, during ...

11 [Communications of the ACM: Volume 51 Issue 7](#)

July 2008 issue Volume 51 Issue 7

Publisher: ACM

Full text available: Digital Edition, Pdf (6.54 MB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 3973, Downloads (12 Months): 4442, Citation Count: 0

12 [Queue: Volume 6 Issue 3](#)

May 2008 issue Volume 6 Issue 3

Publisher: ACM

Full text available: Digital Edition, Pdf (5.56 MB) Additional Information: [full citation](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 163, Downloads (12 Months): 243, Citation Count: 0

13 [Communications of the ACM: Volume 51 Issue 2](#)

February 2008 issue Volume 51 Issue 2

Publisher: ACM

Full text available: Digital Edition, Pdf (3.89 MB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 316, Downloads (12 Months): 2233, Citation Count: 0

14 [A gentle introduction to bilateral filtering and its applications](#)

Sylvain Paris

August 2007 SIGGRAPH '07: ACM SIGGRAPH 2007 courses

Publisher: ACM

Full text available: Mov (100:20 MIN), Pdf (27.35 MB) Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 81, Downloads (12 Months): 663, Citation Count: 0

- Image-based modeling and photo editing *Oh et al.* ACM SIGGRAPH conference (c) 2001, Assoc Computing Machinery, Inc. Reprinted by permission. <http://doi.acm.org/10.1145/383259.38331>
bilateral filtering for the display of high-dynamic-range ...

15 [Projectors: advanced graphics and vision techniques](#)

Ramesh Raskar

August 2004 SIGGRAPH '04: ACM SIGGRAPH 2004 Course Notes

Publisher: ACM

Full text available: Pdf (6.53 MB)

Additional Information: [full citation](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 70, Downloads (12 Months): 639, Citation Count: 1

16 [External memory algorithms and data structures: dealing with massive data](#)

Jeffrey Scott Vitter

June 2001 ACM Computing Surveys (CSUR) , Volume 33 Issue 2

Publisher: ACM

Full text available: Pdf (828.46 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 132, Downloads (12 Months): 911, Citation Count: 77

Data sets in large applications are often too massive to fit completely inside the computers internal memory. The resulting input/output communication (or I/O) between fast internal memory and external memory (such as disks) can be a major performance ...

Keywords: B-tree, I/O, batched, block, disk, dynamic, extendible hashing, external memory, h memory, multidimensional access methods, multilevel memory, online, out-of-core, secondary storage, sorting

17 [Spoken dialogue technology: enabling the conversational user interface](#)

Michael F. McTear

March 2002 ACM Computing Surveys (CSUR) , Volume 34 Issue 1

Publisher: ACM

Full text available: Pdf (987.69 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 127, Downloads (12 Months): 737, Citation Count: 19

Spoken dialogue systems allow users to interact with computer-based applications such as data expert systems by using natural spoken language. The origins of spoken dialogue systems can be traced back to Artificial Intelligence research in the ...

Keywords: Dialogue management, human computer interaction, language generation, language understanding, speech recognition, speech synthesis

18 [ACM SIGACT News: Volume 36 Issue 1](#)

March 2005 issue Volume 36 Issue 1

Publisher: ACM

Additional Information: [full citation](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

19 [interactions: Volume 15 Issue 3](#)

May 2008 issue Volume 15 Issue 3

Publisher: ACM

Full text available: Digital Edition , Pdf (7.95 MB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 209, Downloads (12 Months): 539, Citation Count: 0

20 [Hancock: A language for analyzing transactional data streams](#)

Corinna Cortes, Kathleen Fisher, Daryl Pregibon, Anne Rogers, Frederick Smith

March 2004 ACM Transactions on Programming Languages and Systems (TOPLAS) , Volume 26 Issue 1

Publisher: ACM

Full text available: Pdf (217.55 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 159, Citation Count: 1

Massive transaction streams present a number of opportunities for data mining techniques. The transactions in such streams might represent calls on a telephone network, commercial credit card transactions, or web browsing history.

purchases, stock market trades, or HTTP requests to a web ...

Keywords: Domain-specific languages, data mining, statistical models

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